

Notice of Allowability

Application No.

10/060,625

Examiner

LAM S. NGUYEN

Applicant(s)

BURCH ET AL.

Art Unit

2853

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communication dated on 12/12/2005.
2. ☒ The allowed claim(s) is/are 1-23 and 34-37.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the claims:

Claim 11: Replaced "Claim 1" on line 1 by -- Claim 2 --.

Please noticed that claim 11 rectifies element "said at least one parameter" that is not cited in claim 1, but cited in claim 2. As a result, the amendment has been made to correct such obvious typo error.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Referring to claims 1, 13, 34, and 36: The most pertinent prior art is as follows:

Walker et al. (US 6425650) discloses a system of classifying a printing media in an ink jet printer, in which a media sensor optically scans the printing surface of incoming media entering a printzone to gather diffuse and specular reflectance data, then a controller compares the sepcular and diffuse reflectance data with known values for different media types to classify the incoming media (*Abstract and column 3, line 62 to column 4, line 5*). Walker et al., however, does not teach applying at least one ink to a first area and a second area of a print medium in different density and categorizing the print medium based on a comparison of the first light

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scattering intensity value and the second light scattering intensity value associated to the first and second areas.

Kaneko (US 6520614) discloses a printing apparatus with a capability of discriminating the type of printing medium by measuring the optical reflectances of a front side face and a back side face of the printing medium, calculating the difference value of these reflectances, and comparing them with previously-measured values (*Abstract and column 4, lines 46-51*). Kaneko, however, does not teach applying at least one ink to a first area and a second area of a print medium in different density and categorizing the print medium based on a comparison of the first light scattering intensity value and the second light scattering intensity value associated to the first and second areas.

Kamei et al. (US 6578944) discloses a process for discriminating a type of a printing medium in a printing apparatus, in which values of sheet-density detected from two sensors are obtained and compared to discriminate the type of the printing medium (*FIG. 66*). Kamei et al., however, does not teach applying at least one ink to a first area and a second area of a print medium in different density and categorizing the print medium based on a comparison of the first light scattering intensity value and the second light scattering intensity value associated to the first and second areas.

As a result, the primary reasons for the indication of the allowability of the claims is the inclusions therein, in combination as currently claimed, of the limitation that applying at least one ink to a first area and a second area of a print medium in different density and categorizing the print medium based on a comparison of the first light scattering intensity value and the

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second light scattering intensity value associated to the first and second areas is neither disclosed nor taught by the cited prior art of record, alone or in combination.

Claims 2-12, 14-23, 35, and 37 are allowed because they depend directly/indirectly on claim 1, 13, 34, or 36.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LAM S. NGUYEN whose telephone number is (571)272-2151. The examiner can normally be reached on 7:00AM - 3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, STEPHEN D. MEIER can be reached on (571)272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LN
02/16/2006


HAI PHAM
PRIMARY EXAMINER